



2818  
#4/B  
11/5-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Applicant : Powell, et al.  
Application No. : 10/039,517  
Filed : January 3, 2002  
Title : SYSTEM AND DEVICE INCLUDING BARRIER LAYER  
Docket : MIO 0059 V2  
Examiner : D. Le  
Art Unit : 2818

CERTIFICATE OF MAILING  
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on October 29, 2002.

*Julie Cope*  
Attorney - Julie G. Cope

Reg. No. 48,624

Assistant Commissioner of Patents and Trademarks  
Washington DC 20231

Sir:

AMENDMENT

This paper is being filed as a response to the office action mailed on August 26, 2002.  
Reconsideration is respectfully requested in light of the amendments and remarks below.

**CLEAN VERSION OF THE AMENDMENTS**

(A version of these amendments with markings to show the changes is attached to this paper as a separate Appendix.)

IN THE SPECIFICATION

Please amend page 1, lines 8-16 to read:

**CROSS-REFERENCES TO RELATED APPLICATIONS**

--This application is related to commonly assigned U.S. Patent Application Serial Nos.:  
09/653,096, METHOD FOR FORMING A DIELECTRIC LAYER TO INCREASE  
SEMICONDUCTOR DEVICE PERFORMANCE, filed August 31, 2000, by Powell et al. and  
09/653,298, METHOD FOR FORMING A DIELECTRIC LAYER AT A LOW  
TEMPERATURE, filed August 31, 2000, by Mercaldi et al., the disclosures of which are  
incorporated herein by reference.--

11/06/2002 MMEKONEN 00000011 10039517

01 FC:1202  
02 FC:1201

198.00 OP  
756.00 OP

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TECHNOLOGY CENTER 2802



# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 954.00

## Complete if Known

Application Number 10/039,517  
Filing Date January 3, 2002  
First Named Inventor Don Carl Powell  
Examiner Name D. Le  
Group Art Unit 2818  
Attorney Docket No. MIO 0059 V2

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit Account Number  
Deposit Account Name

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$) -0-

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims 31 -20\*\* = 11 x Fee from below 18 = 198  
Independent Claims 12 -3\*\* = 9 x Fee from below 84 = 756  
Multiple Dependent = -0-

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
103	18	203	9	Claims in excess of 20	
102	84	202	42	Independent claims in excess of 3	
104	280	204	140	Multiple dependent claim, if not paid	
109	84	209	42	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) 954.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) -0-

## SUBMITTED BY

Name (Print/Type) Julie G. Cope

Registration No. 48,624  
(Attorney/Agent)

## Complete (if applicable)

Telephone (937) 223-2050

Signature

*Julie Cope*

Date

10/29/2002

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